

Command and General Staff College "Training 21st Century Leaders Today!"



Digital Leader Development Center

Implementing TRADOC's Institutional Digital Education Plan

UPDATE BRIEFING

Mr. STEVEN L. DAVIS

Director, Digital Leader Development Center



ucation + Technology + Leaders





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PURPOSE

To provide the TRADOC Digital Training Confean Update Briefing on the capabilities and further of the Digital Leader Development Center and discuss selected capabilities and future initial



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MISSION

The DLDC supports Army Leader Development by:

- Educating leader's in the capabilities of ABCS
- Practicing the fundamentals of Battle Command
- Integrating Simulations and Collaborative Plann
- Planning and conducting the Prairie Warrior Exe Series
- Supporting Battle Command and Battle Staff tra throughout the Army



- Educating leaders in the capabilities of ABCS
- Practicing the fundamentals of Battle Command

BATTLE COMMAND CURRICULUM						
				AY02-03		AY03-0
Di	gital Battle Comma	nd	Hours	Students	Hours	Students
CGSS	ABCS Awaren	ess	1	800	1 9	900
	MCS-L Overview	4	800	2	900	
	GCCS Overview			2	900	
	A334 MCS-Light	27	337	27	84	
	A335 ASAS	27	63	27	26	
	A337 AMDWS	27	25	27	18	
	A338 AFATDS	27	53	27	47	
	A360 CAPES	27	130	27	11	
	A361 FA57	27	4	27	4	
	A362 FCS			27	17	
	A363 FBCB2			27	102	
	A433 CSSCS/BCS3	27	195	27	68	
	A541 GCCS/GCCS-	A27	300	27	242	
	A308 Digital Divis	ion 81	60	81	65	
	A311 SBCT	81	60	81	65	

BATTLE COMMAND CURRICULUM (Cont'd)

		AY02-03				
Digita	al Battle Comma	nd I	lours	Students	Hours	
AS3	ABCS Awareness	2	2500	2	2690	
	MCS-Light	7.5	11	7.5	(1	
	Integrated PE	85.5	11	85.5	"	
AMS	MCS-Light	27	84	20	47	
	GCCS/GCCS-A	27	84	4	10	
	CAPES	21	35	20	47	
	Exercises	80	84	45	80	
	ASAS			4	10	
	AFATDS			4	10	
	AMDWS			4	10	
	BCS3			4	10	
	FBCB2			4	10	

AY03-0 Students



Integrating Simulations and

Collaborative Planning

Simulations at CGSC:

PC-Based

- TACOPSCav (TACOPS) Brigade

- BC2010 (Pilot Program) Brigade

- Decisive Action (DA)

Div/Cor

Integrated Gaming System (IGS)

Corps/E

Joint Deployment Logistics Model (JDLM)

Multi-E

Legacy

- JANUS

Bn/Bde

ABCS Battle Command

- Joint Conflict and Tactical Simulation (JCATS)

Digital Battlestaff Sustainment Trainer (DBST)

Commercial Sims (Evaluation)

- Point of Attack II

Brigade

- Black Hawk Down

Convoys

CGSC JCATS/DBST PILOT PROGRAM

Timeline

- Procured equipment----March-July 03
- Hired Contractors to Setup and Operate DBST----Sept 03
- Developed data bases----Sept-Nov 03
- Used DBST to populate ABCS boxes for Student Courses---
- Currently developing proof of principle demo for SCP to me them from JANUS to JCATS/DBST
- Division exercise using JCATS/DBST----Apr 04
- Brigade exercise using JCATS/DBST----June 04

Collaborative Planning Tools at CGSC

Combined Arms Planning and Execution Monitoring System

- PC Based Planning Tool, built for planners by planners
- Digitizes the MDMP
 - Unit Task Organization (MTOE/SRC Level Detail)
 - Uses Mil Std 2525B/FM 101-5-1 Icons & Operational Graphics
 - Enables Generation and War-gaming of Multiple COAs
 - Task Centric Operations per FM7-15 AUTL
 - Doctrinal RCP and Conflict Resolution Models
 - Doctrinal Movement Rates and Logistics Consumption
 - Integrates Air(CAS/AI), Indirect Fires and Direct Fire actions
- Uses Standard NIMA Map Products and is CJMTK Compliant
- Animates COAs for Tactical Visualization & Synchronization
- •Unit Task and Purpose Auto Populated to a 5 Paragraph



Planning and conducting the Prairie Warrior Exercises Series

Exerci: Sim		Directo	rate			Date	es	ABCS Oper
EOCCE	•	1-5 Dec		NA	N			
BLOCK I	_	•	1-4 Feb		N		NA	
BLOCK I	l Division	CTAC	1-7 Apr	04	N	A	DA	
ABCS DI	V	CTAC	1-7 Apr	04	2!	5		JCATS/DBST
JAWS	DJMO	1-7 Apr ()4	NA	IG	S C2P		
BLOCK I	II Bde	CTAC	7-11 Jun	04	N	A	TACO	PS
ABCS Br	igade	CTAC	7-11 Jun	04	2!	5		JCATS/DBST
ILE SOF	DJMO	7-11 Jun	04	NA	C	2PC		
JAWS	DJMO	7-11 Jun	04	NA	IG	S		
LOGEX	DLRO	7-11 Jun	04	NA	JD	LM		
Commor	n Core Co	urse Loca	tions:					
Ft Gordo	on EOCCE	DJMO	24-28 A	or 04	N	Α	NA	
Na. Daa	t Grad Sc	h	DJMO	Iu	un 04	ļ	NA	NA

CGSC Exercise Program (con't)

Exercise	Direct	orate	D	ates	ABCS Oper	Sim
Russo/Polish	SAMS	2-9 Oct 03	NA	IGS		
Yom-Kippur	SAMS	5-12 Dec 03	NA		DA/CAPES	
SOFEX SAMS	20-23 Ja	n 04 NA	NA			
BCTP Seminar	SAMS	9-20 Feb 04	NA		MCS-L/CAPES	
Marine STAFFEX	SAMS	1-5 Mar 04	NA	TBD		
JOINT PLANEX	SAMS	29 Mar-2 Apr 04	NA	TBD		
HMLND DEF	SAMS	13-15 Apr 04	NA	TBD		

ABCS Operator Support

29 MAR 04 - 8 APR 04

ABCS System	Operators Required
MCS-L	4
AMDWS	2
ASAS	5
AFATDS	6

Qualified ABCS Instructors will augment student staffs during a Division-level Exercise. DLDC will resource all TDY costs. POC is DLDC Exercise Team, DSN: 552-3127, golidayr@leavenworth.a

ABCS Operator Support

4 - 14 JUN 04

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Supporting Battle Command and Battle Staff training throughout the Army

- Support development and implementation of the Army Digital Training Strategy
- Train-the-Trainer Course for all TRADOC Schools and Cer
- Assistance Visit to USASMA
- Modeling/Sim support to Rapid Equipping Force (REF) pr
- Reach-Back support requests from former students

TRAIN-THE-TRAINER

- ABCS training for staff and faculty members of TRADOC orga
- Supports implementation of the IDEP.
- Provided overviews of instruction and experience gained in data instruction in an institutional environment.
- Classes:
 - ABCS, CAPES, FBCB2, GCCS-A
 - Simulations in support of exercises
 - Exercise development
 - System administration
- Dates:
 - 8 to 12 Sept 2003
 - 15 to 19 Sept 2003
- Throughput: 91 students

UPDATE SUMMARY

1. ABCS Education

- Added Force XXI Battle Command Brigade and Below (FBCB)
- Added Automated Deep Operations Coordination System (A
- Replaced CSSCS with Battle Command Sustainment Suppor (BCS3)
- Sustained all other ABCS education initiatives
- 2. Simulations and Collaborative Planning
- Established a Pilot Program for JCATS and DBST
- Expanded utilization of CAPES
- 3. Exercises
- Completed transition of Prairie Warrior from a single, multi capstone event to a series of echelon-specific exercises.
- Increased engagement with SAMS.
- 4. Support beyond CGSC
- Train-the-Trainer Courses
- Assistance visit to USASMA



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CHALLENGES/ISSUES

- Network Accreditation
- International Students access to ABCS and Simulations
- OES Transformation vs. Equipment on-hand vs. ADTS BO
- Assignment-Oriented Training
- Keeping pace with change
- Application of OIF/OEF Lesson's Learned

ABCS Access

SYSTEM	U.S. STUDENTS	INTERNATIONAL OFFICERS
AFATDSEMT	SECRET clearance required to	NO PM or FDO release,
ADOCS	operate.	Access/observation/operation denied
AMDWS FAAD	SECRET clearance required to	NO PM or FDO release,
	operate.	Access/observation/operation denied
ASAS ASAS-L	SECRET clearance required to	Cannot observe, access or operate.
	operate.	Cannot access output (printed, screens,
		screenshots).
BCS3	SECRET clearance required to	NO PM or FDO release,
	operate, unless operating at	Access/observation/operation denied
	UNCLASSIFIED level.	
FBCB2	SECRET clearance required to	NO PM or FDO release,
	operate.	Access/observation/operation denied
MCS MCS-L	SECRET clearance required to	Can operate with direct supervision of
	operate.	qualified US counterpart.
CAPES	SECRET clearance required to	Can operate with direct supervision of
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GCCS-A C2PC	SECRET clearance required to	Cannot observe, access or operate.
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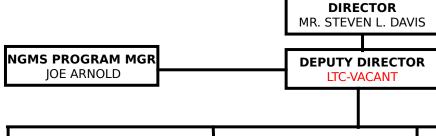
Simulations Access

SIMULATION	ACCESS	DISTRIBUTION
IGS	U.S. and IO students may operate.	Software may not be distributed to students.
DA	U.S. and IO students may operate.	Software may not be distributed to students.
TACOPS	U.S. and IO students may operate.	Unlimited distribution to U.S. Army personnel and DoD Civilians.
J DLM	U.S. and IO students may operate.	Software may not be distributed to students.
J CATS	U.S. and IO students may operate.	Software may not be distributed to students.



Command and General Staff College Digital Leader Development Cente





CHIEF, ABCS INTEGRATION LTC-VACANT

INSTRUCTORS

(14)

Kay Luna (Lead)

MCS, CGSOC

Mitch Kelloff Jack Shafferman

MCS, CAS3

Pat Troy

FBCB2

Bryan Sampson Gene Davis

VACANT (Unger)

ASAS

Scott Craig Pat Iverson

AFATDS

Bob Mayhew Dave Martin

AMDWS

John Wieser

BCS3

Michelle

McQuillan

John Lock

CAPES

Brooks Lyles (CECOM) Tom Ritchie

CHIEF, SIMULATIONS LTC RICK HANSEN

OPNS/DEVELOPMENT

DAC - VACANT

TECH SUPPORT (6)

Jeff Leser (Lead) "R.V." Arvizu

"T.J." Taijeron

Victor Dewey Curt Pangracs

Howard Scarborough

JCATS/DBST (3)

Bart Umentum (NSC) Steve Traylor (NSC) Wayne Nighbert (NSC)

CHIEF, EXERCISES LTC ROSIE GOLIDAY

PLANS & OPNS

MAJ-VACANT

A/PLANS & OPNS (2)

DAC - VACANT

Mark Russell Jerry Wilson

RESOURCES

MAJ-VACANT

COMMUNICATIONS

MAJ-VACANT

LTC LOUISE MORONEY

NET MGR/ASST. OPNS

MAJ ED GUERNSEY

LOGISTICS (1)

DAC-VACANT Shawn Heckmaster

PERS/ADMIN (1)

DAC - VACANT Bobbi Burkett

TECH OPNS (2)

Kent Lasneske

SYS ADMIN (11)

Cheryl Bester (Lead)

MCS

CHIEF. OPERATIONS

Trevor Swanson Greg Walden Jack Elliston Beth Voss Ron Humphrey

CAS3

Mike Hill John Capes SAMS/WARLAB

lames

Schmittendorf

ASAS

Kirk Young (ILEX) I.D. Garrett

AFATDS

Victor Wu

AMDWS

Maurice Sanchez

BCS3

Winnie West



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QUESTION S COMMENT 5

BACKUP SLIDES

Battle Command Network BCNet

- The Institutional Training network supporting the entire CGSC Campus
- Sensitive Operating Level (AR 25-2 Nov 03)
- Provides a distributed and comprehensive level of service to our student/faculty population
 - ABCS, ATCCS, CAPES, EMT, ADOCS.
 - Simulations (JCATS/DBST; DA, TACOPS, IGS, MC2)
 - Replicate other field Information Management Tools
 - Web Hosting
 - File Hosting
 - Email Services
- VOIP Capable
- Wrapping up our DITSCAP accreditation process

Equipping the Institutional Training Base

- DLDC has used multiple sources to equip CGSC
 - Program Managers have fielded equipment (ABCS)
 Source: PM CHS
 - HQ TRADOC has funded purchases via PMs (FBCB2)
 - Purchased systems via local contracting off Army BPA's

Challenges:

- Systems must be multifunctional multiple "brick" images per CPU type
- Configuration Management is a must up front
- Software test, accountability, and install discipline procedures are a must
- Physical and network security policy development and implementation

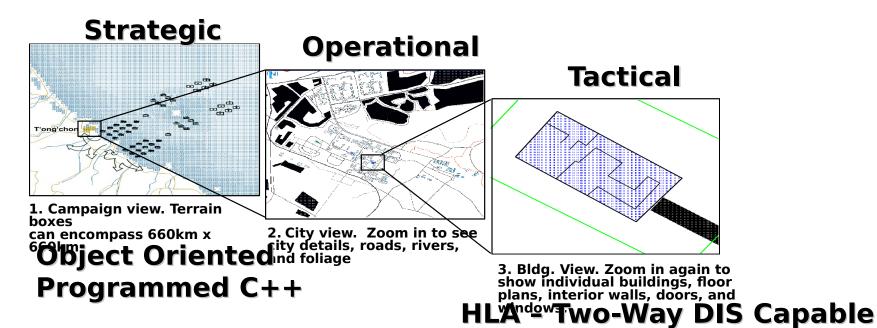


United States Joint Forces Command Joint Warfighting Center

JOINT CONFLICT AND TACTICAL SIMULATION (JCATS)

JCATS - A Description

A multi-service, multi-sided, interactive, entity-level simulation used by military and security organizations as a tool for joint training, analyses, experimentation, planning and mission rehearsal.



WHAT IS DBST?

- A Digital Battle Staff Sustainment Trainer
- A "System of Systems" federation that:

a

Provides a realistic, digital environn

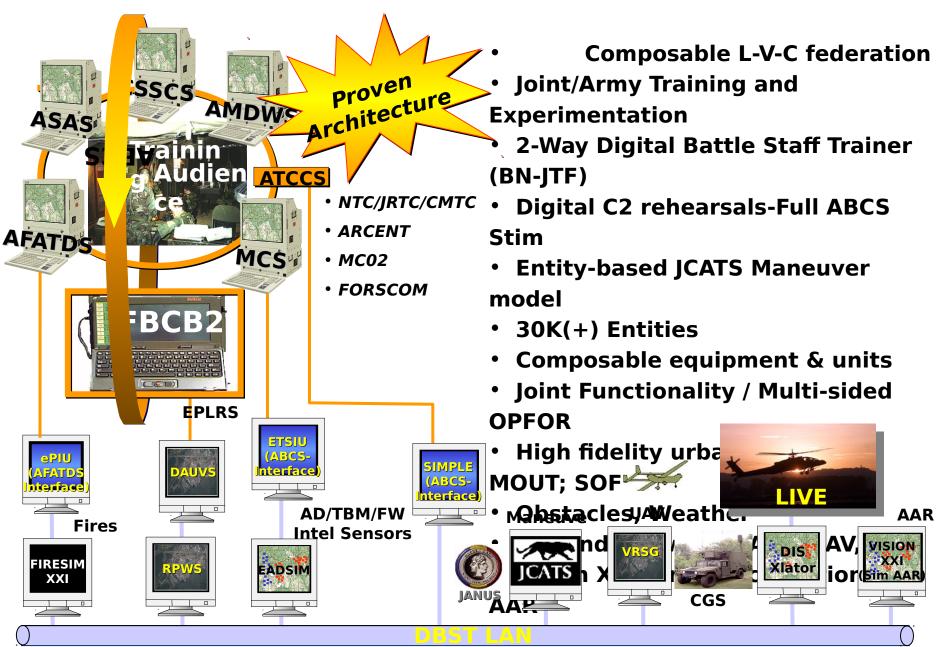
Uses unit's existing and potential ABCS systems in battlefield and a SASO environment

Primarily supports brigade and battalion Level IV-V training,

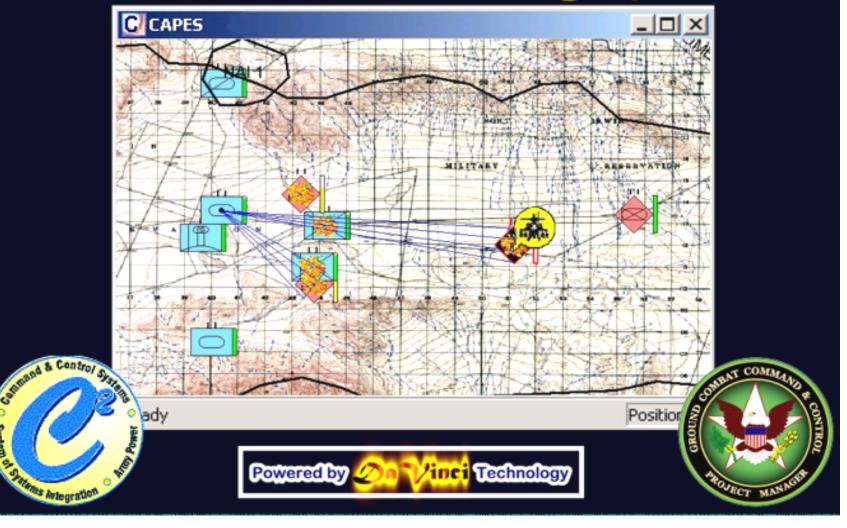
Level II and III (low overhead trainer), but has supported division, corps, joint, and combined operations training based on training requirements and federation architecture

Provides commanders and staffs with the ability to

Digital Battle Staff Sustainment Trainer



Combined Arms Planning and Execution-monitoring System



CAPES



CAPES Beta Test Sites

- III Corps, 4 ID(M), Ft Hood, TX. (20 Systems)
- ద XVIII ABN Corps, 82 ID(ABN), Ft Bragg, NC. (2 Systems)
- \Rightarrow 3 BDE / 2ID(M) (IBCT), Ft Lewis, WA. (2 Systems)
- 🙀 7ID(L) G2 -- Beta Site (Reserve Division), Ft Carson, CO. (2)
- USMC, 1st and 3d MEFs (6 Systems)
- CFC, USFK, TROKA, FROKA, 8 US Army, Korea (18 Systems)
- 💢 101 Airborne Division (Air Assault), Ft Campbell, KY (to BNs).
- CGSC / SAMS, Ft Leavenworth, KS.(63 systems)





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ABCS Awareness MCS/MCS Light and the MDMP Genesis for Digital Battle Staff Courses aff User Skills

-Awareness

-Planning

-Execution



ABCS Awareness and use in the MDMP ABCS Staff User Education

Digital Battle Command PEs

Experience in Situational Awareness and Simulation Exercision-Making in a digital Command Post

Awareness of Joint C4I systems

-Exploiting SA/CT





ABCS Awareness Practical Exercise in exploiting ABCS in tactical decision making

The center can redefine the Leavenworth graduate, meet the needs of field contribute solutions to the challenges of digital battle command, and lead t transforming the education system to meet the education needs of the Futi



Command and General Staff College



The DLDC - "Where it can take us"

- 1. Collaboration for "Digital Battle Staff Education
 - Distance Learning
 - NCOES and OES Requirements
 - Doctrine/TTP Development
 - ILE and Transformation catalyst
- 2. Senior Leader Course Initial Brigade Combat Team(s) Command
 Organic capability to conduct on a reoccurring basenter of Excellen
- 3. Digital Leader Reaction Course
 - Sustainment Training for Digital Battle Staffs
 - Conducted as part of WFX Seminars or ABCS NET
- **4. Linkage between Education and Training Methods**Enhance individual and collective digital battle staff skills
- 5. Experimentation venue for Digital Battle Command

CGSC's DLDC - Creating solutions for the challenges
" Battle Command Education and

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